PATENT ATTORNEY DOCKET NO.: 046124-5271

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Commissioner for Patents
MAIL STOP PATENT APPLICATION



## TRANSMITTAL FOR A NEWLY EXECUTED ORIGINAL APPLICATION UNDER 37 C.F.R. §1.53(b)

This is a request for filing a patent application under 37 C.F.R. §1.53(b) for:

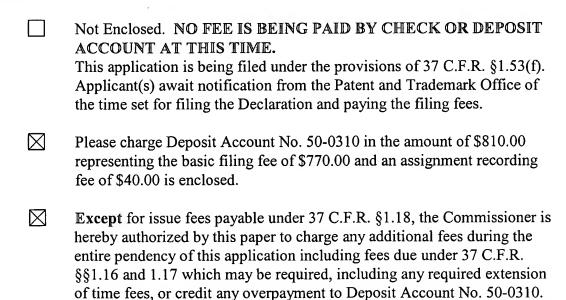
Inv	entors: Tadataka	EDAMURA and Naota AKIKUSA	
Fo	r: QUANTUM CA	ASCADE LASER	
1.	This is a new Utility Design Plant patent application.		
2.	The papers enclosed to obtain a filing date are as follows:		
		Pages of Specification including:  O Title Page  62 Pages of Description  4 Pages of Claims  1 Page of Abstract  Sheets of drawings containing 21 Figures  The enclosed drawings are photographs, and there is also attached a PETITION TO ACCEPT PHOTOGRAPH(S) AS DRAWING(S)	
3.	Combined Decla	ration and Power of Attorney	
		Enclosed and is executed by all inventors Not Enclosed. This application is being filed under the provisions of 37 C.F.R. §1.53(f). Applicant(s) await notification from the Patent and Trademark Office of the time set for filing the Declaration and paying the filing fees.	

4.	Language				
	This a of the	English pplication is being fi MPEP. Applicant(s	) await notificatio	with 37 C.F.R. §1.52(d) and §608.01 n from the Patent and Trademark English translation and the processing	
5.	Assignment				
	Form	signment of the inve 1595, Recordation F signment will be file	orm Cover Sheet,	su Photonics K.K. and a PTO are enclosed.	
6.	6. Priority - foreign applications under 35 U.S.C. §119(a)-(d) or §365(b) or PCT international applications under 35 U.S.C. §365(a) designating at least one country other than the U.S.				
	Priority of the fo	llowing foreign appl	ication is claimed	:	
	Country	Applica	ation No.	Filed	
	Japan	P2003-03	35366	February 13, 2003	
Japan		P2003-27	74306	July 14, 2003	
7.	Certified copy: is attached. will follow.  7. Priority based on provisional application(s) - 35 U.S.C. §119(e)				
	Priority of the following provisional application(s) is claimed:				
	Application	No.		Filed	
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	A. Relate Back - 35 U.S.C. §119(e)  Attached is a Preliminary Amendment amending the specification by inserting before the first line the sentence: "This application claims priority of copending provisional application(s) No filed on"			This application claims	
8.	Small entity status				
	Appli	cant(s) hereby assert	(s) small entity sta	atus under 37 C.F.R. § 1.27.	

9. F	'ee Calc	ulation (37	C.F.R.	\$1.16	)
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	Number Filed	Number Extra		Basic Fee Utility \$770.00 Design \$385.00
			BASIC FEE	\$770.00
Total Claims (37 C.F.R. §1.16(c))	9 - 20 =	0	18.00	
Independent Claims (37 C.F.R. §1.16(b))	3 - 3 =	0	86.00	
Multiple dependent claim	n(s), if any (37 C.F.R	l. §1.16(d))	290.00	
	, , , , , , , , , , , , , , , , , , , ,		SUB-TOTAL =	\$770.00 •
	R	eduction by 1/2 for fil	ling by a small entity	
			SUB-TOTAL =	\$770.00
Assignment Recordation Fee			\$40.00	\$40.00
		TC	OTAL FILING FEE =	\$810.00

## 10. Fee Payment



This paragraph is intended to be a CONSTRUCTIVE PETITION FOR EXTENSION OF TIME in accordance with 37 C.F.R. §1.136(a)(3).

11.

12.	Additional pa	apers enclosed:
		Preliminary Amendment
		Information Disclosure Statement
		Form PTO-1449, document included
		Declaration of Biological Deposit
		Submission of "Sequence Listing", computer readable copy and/or amendment pertaining thereto for biotechnology invention containing nucleotide and/or amino acid sequence.
		annio acid sequence.

Please accord this application an application number and filing date.

Respectfully submitted,

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Dated: February 12, 2004
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